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MAGNETIC HEAD TESTING APPARATUS  
Aratani et al.  
Greer, Burns & Crain, Ltd.  
Ref. No. 2500.69487  
Replacement Sheet 1 of 10

Feb. 11, 2004  
S.N. 10/676,935  
(Josh C. Snider)  
(312) 360-0080

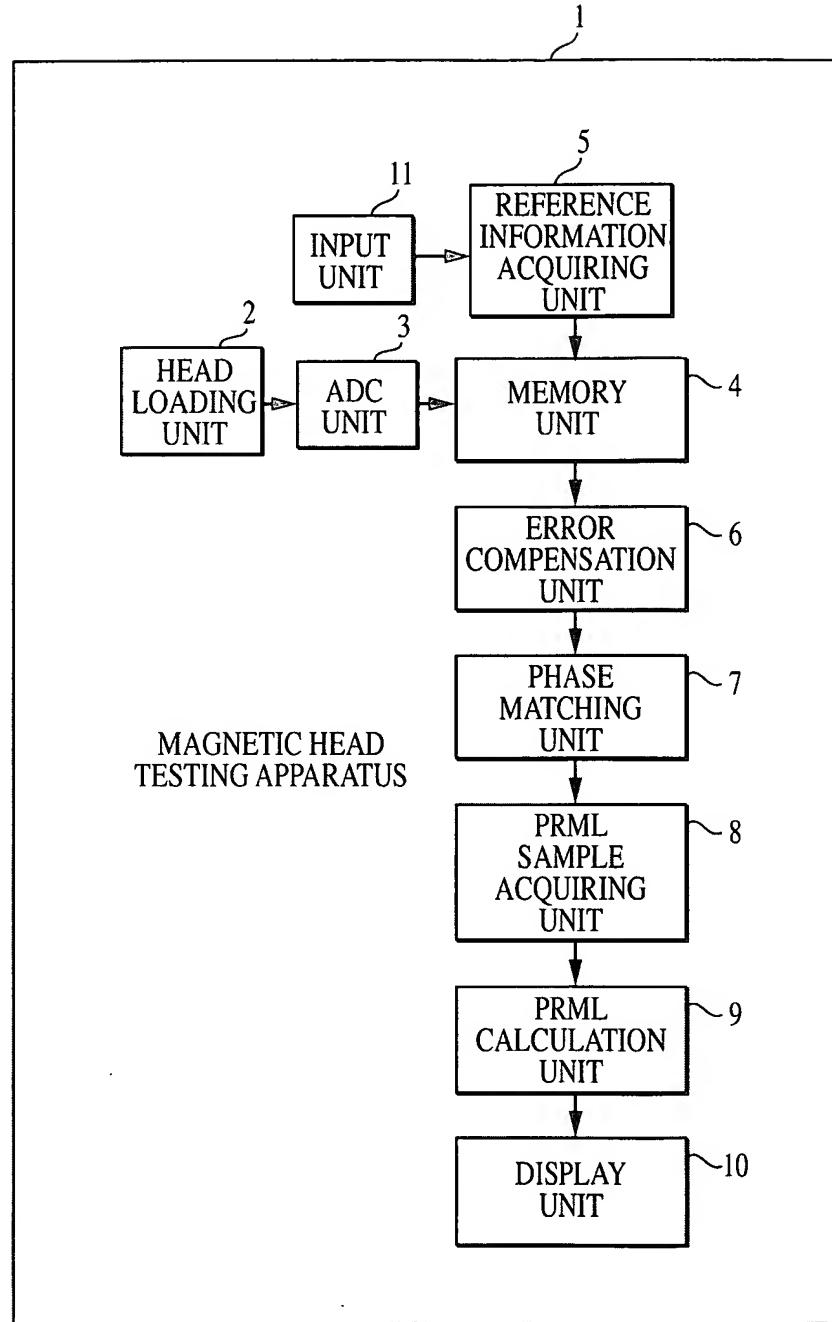


FIG. 1

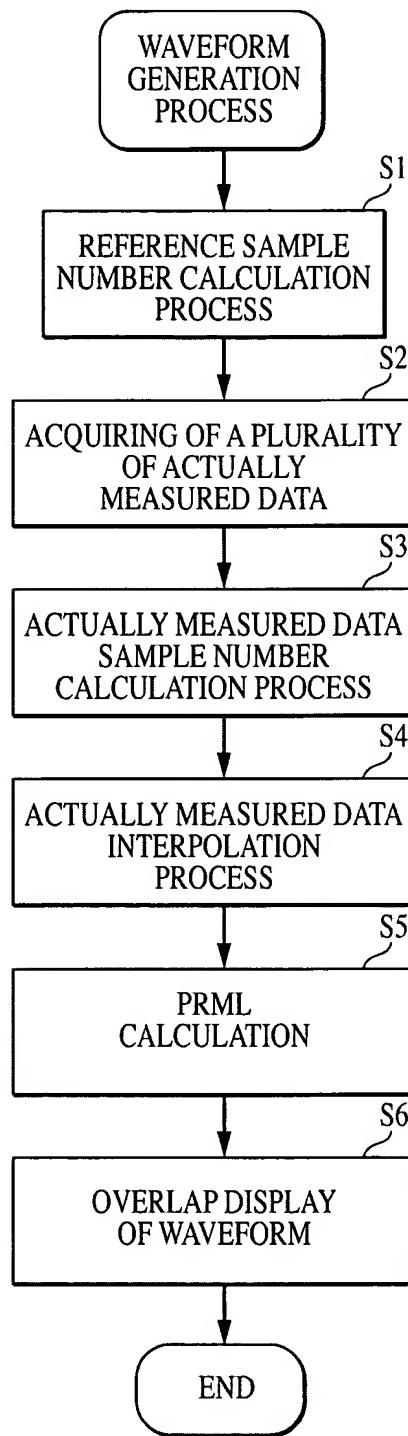


FIG. 2



MAGNETIC HEAD TESTING APPARATUS  
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Ref. No. 2500.69487  
Replacement Sheet 3 of 10

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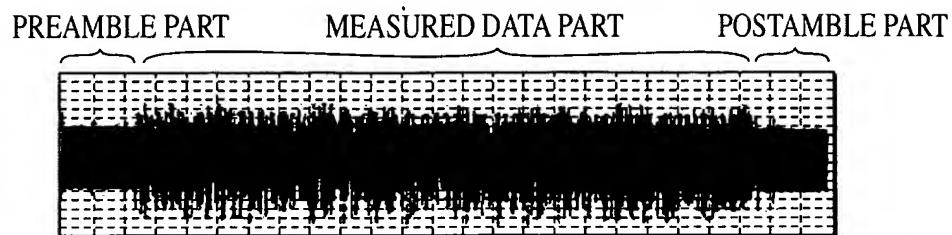
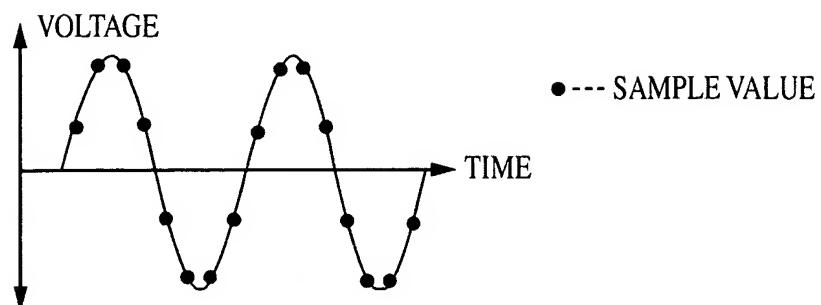


FIG. 3



### ADC ASYNCHRONOUS SAMPLING



PHASE ADJUSTMENT

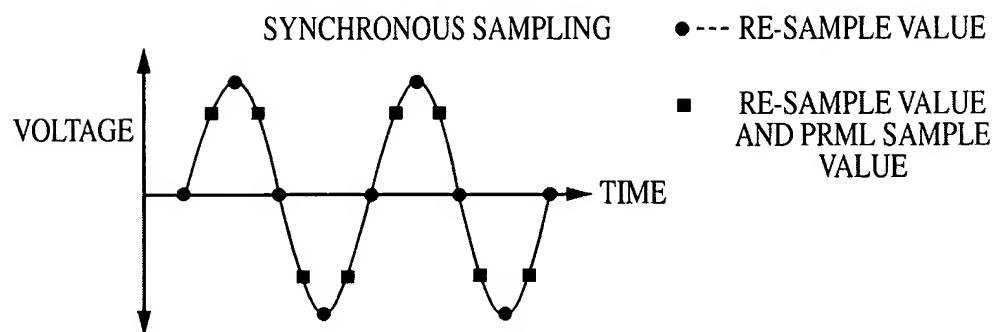


FIG. 4



MAGNETIC HEAD TESTING APPARATUS  
Aratani et al.  
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Ref. No. 2500.69487  
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(Josh C. Snider)  
(312) 360-0080

## PREAMBLE ENDING PART-MEASURED DATA LEADING PART

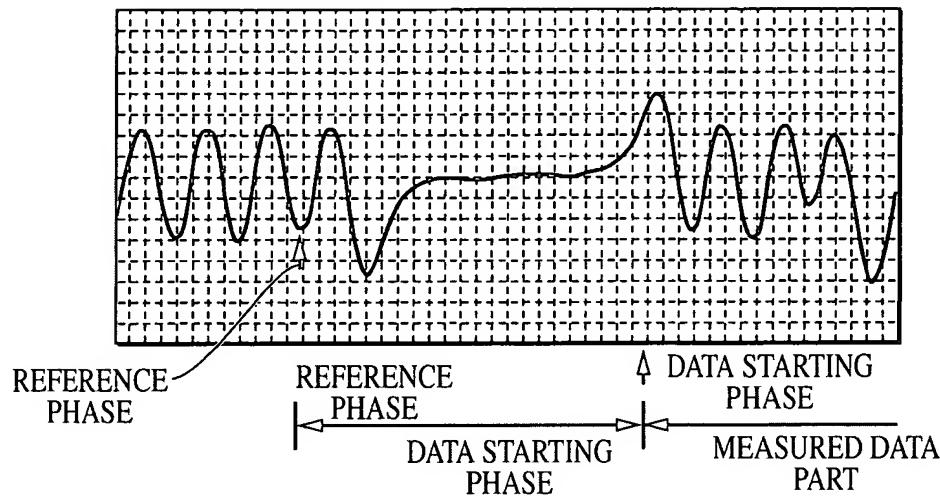


FIG. 5a

MEASURED DATA ENDING PART  
POSTAMBLE LEADING PART

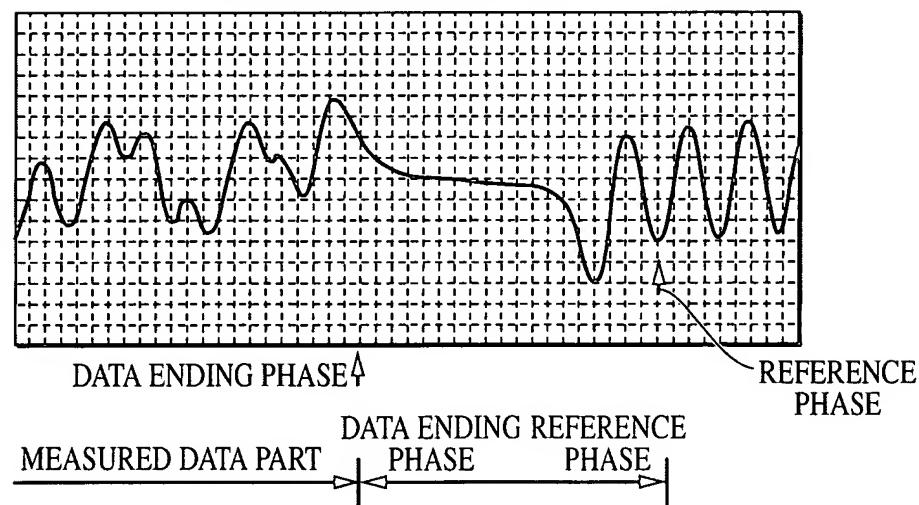


FIG. 5b



NUMBER OF DATA  
IS LARGER THAN  
REFERENCE WAVEFORM

NUMBER OF DATA IS THINNED TO  
↓  
BECOME EQUAL TO  
REFERENCE WAVEFORM

REFERENCE  
(IDEAL) WAVEFORM

NUMBER OF DATA IS  
INTERPOLATED TO  
↑  
BECOME EQUAL TO  
REFERENCE WAVEFORM

NUMBER OF DATA  
IS SMALLER THAN  
REFERENCE WAVEFORM

FIG. 6

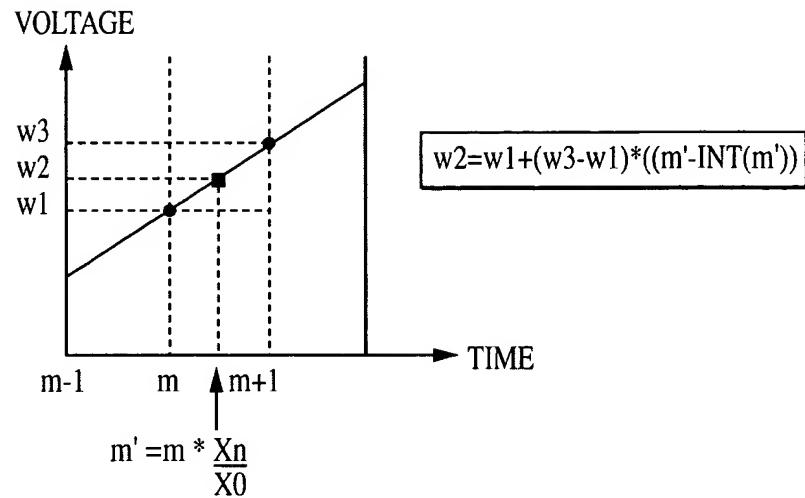


FIG. 7

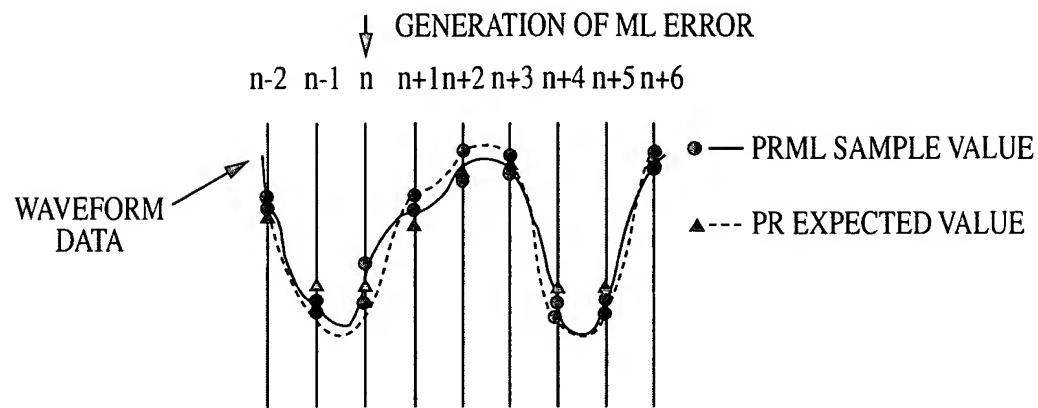


FIG.8

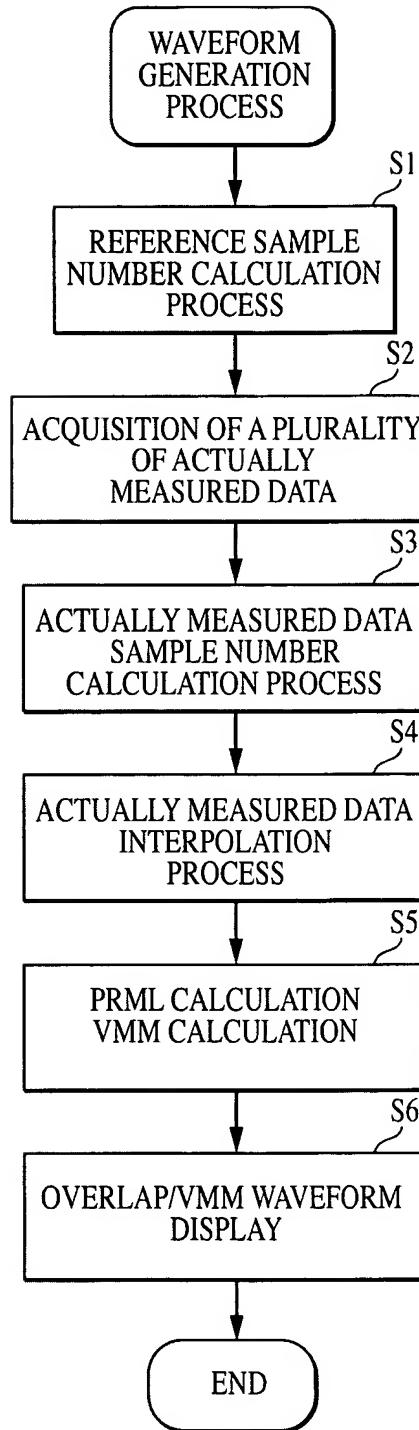


FIG. 9

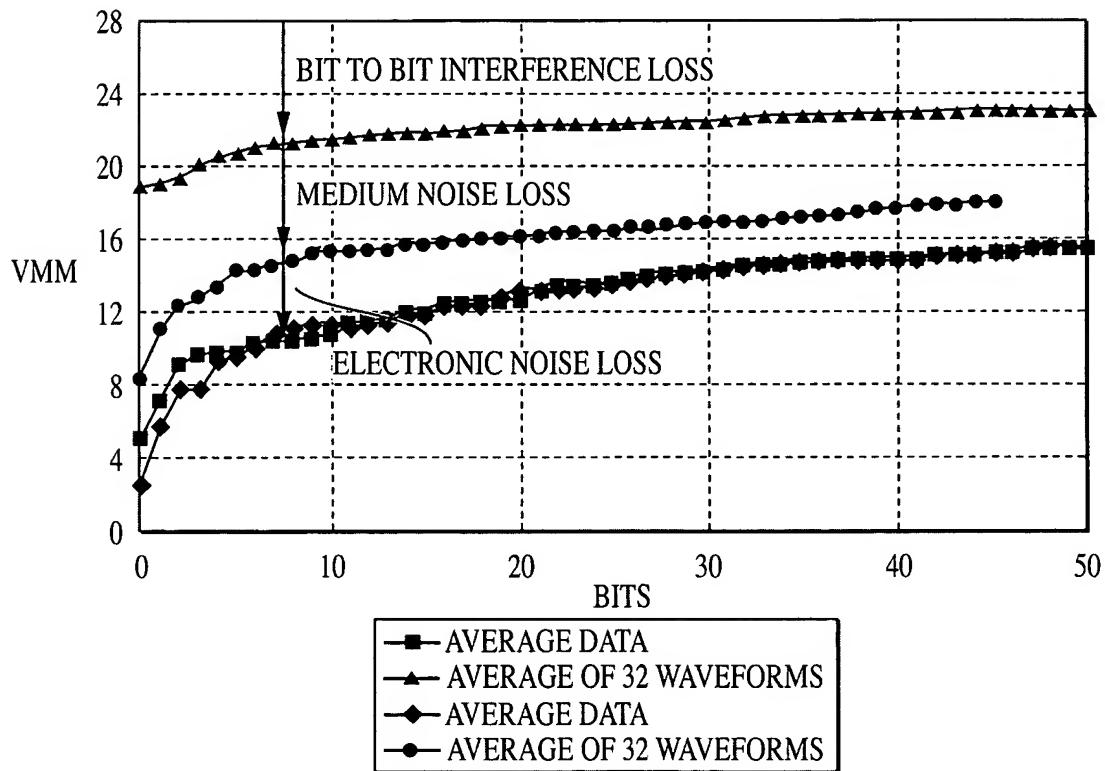


FIG. 10